(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 25 August 2005 (25,08,2005)

PCT

(10) International Publication Number WO 2005/078635 A 1

- ______
 - G06K 9/00
-
- (51) International Patent Classification⁷:
 (21) International Application Number:
 - r: PCT/SE2005/000195
- (74) Agent: VALEA AB; Lindholmspiren 5, S-417 56 Göteborg (SE).

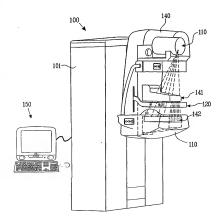
- (22) International Filing Date: 14 February 2005 (14.02.2005)
- (25) Filing Language: English
- (26) Publication Language:
- English English

(30) Priority Data:

- 0400325-7 13 February 2004 (13.02.2004) SE
- (71) Applicant (for all designated States except US): SECTRA MAMEA AB [SE/SE]; Kistagången 2, S-164 40 Kista
- (71) Applicant and
- (72) Inventor: BORNEFALK, Hans [SE/SE]; Döbelnsgatan 95, S-113 52 Stockholm (SE).
- (81) Designated States (unless otherwise indicated, for every kind of national protection motalitable): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, P, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, ZN, AN, IN, ON, PZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM. ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, F, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,

[Continued on next page]

(54) Title: METHOD AND ARRANGEMENT RELATING TO X-RAY IMAGING



(57) Abstract: The present invention relates to a method and arrangement for detecting a Region of Interest in an image data set, especially digitalized X-ray image. The method comprises the steps of extracting phase information from the image data, using said phase information for differentiating between different lines and edges, and skewing said lines towards a centre.



SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, Cl, CM, GA, GN, For two-letter codes and other abbreviations, refer to the "Guid-

GQ, GW. ML, MR, NE, SN. TD. TG).

Published:

amendments

- with international search report before the expiration of the time limit for amending the claims and to be republished in the event of receipt of ance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.